

Message Text

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PAGE 01 STATE 198501

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INFO OCT-01 ISO-00 EA-07 OES-06 EUR-12 COME-00 CIAE-00

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FM SECSTATE WASHDC

TO AMEMBASSY BONN PRIORITY

AMEMBASSY TOKYO

AMCONSUL MUNICH

C O N F I D E N T I A L STATE 198501

NOFORN

E.O. 11652: XGDS-2

TAGS: EIND, TECH, TGEN

SUBJECT: MAGNETIC BUBBLE TECHNOLOGY

1. INFORMATION WAS RECENTLY OBTAINED THAT INDICATES A PENDING OR EXISTING AGREEMENT BETWEEN SIEMENS AND A JAPANESE FIRM RELATED TO MAGNETIC BUBBLE MEMORY TECHNOLOGY. THIS ARRANGEMENT COULD BE OF PARTICULAR SIGNIFICANCE SINCE THE JAPANESE ARE AMONG THE WORLD'S LEADERS IN THE DEVELOPMENT OF OPTIMALLY DOPED GARNET BUBBLE MATERIALS AND SIEMENS IS REPUTEDLY ONE OF THE WORLD LEADERS IN ADVANCED FABRICATION TECHNOLOGY SUCH AS ELECTRON BEAM PHOTOLITHOGRAPHY. MAGNETIC BUBBLES ARE PRESENTLY A RAPIDLY EVOLVING TECHNOLOGY WITH THE POTENTIAL TO COMPETE WITH CONVENTIONAL COMPUTER DATA
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PAGE 02 STATE 198501

STORAGE TECHNOLOGIES AND/OR DEVELOP LARGE SCALE

SPECIALIZED APPLICATIONS OF THEIR OWN. INITIAL PRO-
DUCT OFFERINGS HAVE BECOME AVAILABLE WITHIN THE PAST
YEAR IN JAPAN (FROM HITACHI), THE UK, AND THE US.

2. WHAT IS THE STATUS OF THESE NEGOTIATIONS AND
PRECISELY WHO IS INVOLVED IN THEM?

3. WHAT IS THE SUBSTANCE OF THE NEGOTIATIONS? WHAT
AREAS OF TECHNICAL OR COMMERCIAL EXCHANGE OR COOPERA-
TION ARE BEING CONTEMPLATED?

4. ARE SPECIFIC PRODUCTS OR APPLICATIONS BEING CONSIDERED?
SPECIFY IF POSSIBLE.

5. FOR WHAT REASONS IS EACH FIRM OSTENSIBLY SEEKING THIS
TECHNOLOGY OR COOPERATION?

6. A RESPONSE BY 7 SEPTEMBER 1976 WOULD BE APPRECIATED TO
COMPLETE A RESEARCH PAPER, ALTHOUGH INFORMATION WILL BE
USEFUL AFTER THAT DATE.

7. NEED FOR POSTS EXERCISE APPROPRIATE DISCRETION IN
SEEKING ANSWERS TO ABOVE QUESTIONS FULLY APPRECIATED BY
DEPARTMENT.

8. IN REPLY PLEASE CITE C-I-6-50287. ROBINSON

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